

American S. S. *Hera*, Capt. A. F. Mellgard; observer, H. I. Christensen, Marseille to New York:

August 30, 2 a. m., in 35° N., 53° 15' W. A large waterspout rising. In shape of inverted V until covering the moon and skies in the SW., then moving slowly to the south and east and then

disappearing in a rain squall. During the time it was passing and making up the wind was calm. After passing, the sound of distant humming was heard. No water fell on or near ship. Time from beginning to breaking was about 2 minutes. Distance of vessel about 7 miles. Before and after passing, clear moonlight, gentle NW. breeze, moderate sea.

*Ocean gales and storms, August, 1925*

Vessel	Voyage		Position at time of lowest barometer		Gale began	Time of lowest barometer	Gale ended	Low-est barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Highest force of wind and direction	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Manchester Merchant, Br. S. S.	Manchester	St. John, N. B.	50 20 N.	31 02 W.	3d	11 p. 3d	3d	Inches 29.54	N	N., 7	N	NW., 8	Steady.
Maine, Dan. S. S.	Montreal	Copenhagen	57 10 N.	36 15 W.	6th	9 a., 6th	7th	29.29	N	N., 9	NNE	N., 9	N-NNE.
Dania, Dan. S. S.	Newcastle	Boston	50 00 N.	40 39 W.	6th	10 p. 6th	do	29.78	NW	NNW	N	NNW., 8	Steady.
Am. Shipper, Am. S. S.	London	New York	48 08 N.	26 25 W.	10th	4 p. 11th	12th	29.72	SW	SW., 7	W	SW., 9	SW.-NW.
Hoosac, Br. S. S.	Liverpool	Boston	49 40 N.	29 25 W.	19th	8 p., 19th	20th	29.57	SW	W., 10	NW	—, 11	SW.-W.
Antinous, Am. S. S.	London	Mobile	34 38 N.	63 05 W.	20th	2:30 a. 20th	20th	29.34	SW	SW., 9	W	—, 12	4 pts.
Brit. Star, Br. S. S.	Port Arthur	Southampton	47 30 N.	23 54 W.	19th	3 a., 20th	20th	29.73	S	S., 7	NW	NW., 9	S.-NW.
Do	do	do	47 51 N.	15 56 W.	20th	4 p., 21st	22d	29.83	NW	NW., 9	NNW	NW., 9	NW.-NNW.
West Campgaw, Am. S. S.	Bremen	Philadelphia	49 00 N.	23 12 W.	22d	2 p., 22d	23d	29.62	W	W., 5	NNW	—, 8	W.-NW.
Bird City, Am. S. S.	Copenhagen	Portland, Me.	51 10 N.	40 58 W.	25th	5 p., 25th	29th	29.46	NW	NW., 8	NW	—, 8	NW.-NNW.
Ecuador, Am. S. S.	New York	Canal Zone	13 00 N.	75 00 W.	24th	6 a., 25th	26th	29.79	ESE	NE., 7	NE	NE., 7	E.-NE.
Alberta, Ital. S. S.	do	Gibraltar	40 20 N.	40 12 W.	27th	9 p.	27th	29.71	SE	SW., 8	W	SW., 9	SE.-S.-W.
Stockholm, Swed. S. S.	Gothenberg	New York	57 46 N.	16 42 W.	27th	4 a., 28th	29th	29.40	SSW	SSW., 8	W	WSW., 10	SSW.-W.
Frederik VIII, Dan. S. S.	Oslo	do	59 20 N.	9 00 W.	31st	8 p., 31st	Sept. 2	29.70	WSW	WSW., 8	W	W., 8	WSW.-W.
SOUTH PACIFIC OCEAN													
Makura, Br. S. S.	Papeete	Rarotonga	33 00 S.	174 00 W.	July 30	4 a., 31st	Aug. 2		ENE	E	ESE	ESE., 9	ENE.-ESE.
NORTH PACIFIC OCEAN													
West Calera, Am. S. S.	Sydney, N. S. W.	San Francisco	15 55 N.	152 30 W.	July 31	6 a., 1st	1st	29.74	NE	NE., 8	E	NE., 9	
Vancollie, Can. S. S.	San Pedro	Iquique	18 51 N.	105 27 W.	16th	5 p., 16th	17th	29.79	NE	NE., 3	ESE	ESE., 9	NE.-ESE.
West Cayote, Am. S. S.	Japan	San Francisco	46 27 N.	173 34 E.	19th	mid 19th	22d	29.47	ESE	ENE., 7	SW	NE., 9	NE.-N.-NW.
West Prospect, Am. S. S.	San Francisco	Japan	33 06 N.	136 30 E.	20th	7 a., 20th	21st	29.93	E	E., 10	E	E., 10	Steady.
West Carmona, Am. S. S.	do	Yokohama	47 30 N.	175 30 E.	28th	1 p., 29th	29th	29.42	S	SW., 8	NNW	SW., 8	SW.-WNW.
Yokohama Maru, Jap. S. S.	Yokohama	Victoria	43 26 N.	162 44 E.	28th	5 p., 29th	30th	29.37	SSW	S., 9	WSW	—, 10	SSW.-S.

**NORTH PACIFIC OCEAN**

By WILLIS EDWIN HURD

The eastern North Pacific high-pressure area was well established in August, as during several consecutive previous months. In fact, it was less disturbed by cyclones than is usually the case; hence generally settled weather and light winds prevailed over the greater part of the region between the Hawaiian Islands and the United States. Near the crest of the HIGH the pressure averaged about 30.40 inches—some 0.10 inch above the normal.

Results of this at Honolulu were: Fair days in exceptional number, wind directions almost entirely from the east, and, owing to the considerable gradient on the lower slope of the HIGH, a record average wind velocity for August of 11 m. p. h. The maximum velocity of 35 miles, from the east, on the 3d, equaled the previous record. Rainfall at Honolulu continued light, the total being only 0.18 inch, or 1.10 inches less than the normal. It was the second driest August on record.

There was some low pressure along the 50th parallel, but no pronounced cyclonic conditions until near the end of the month, when a rather intense LOW, apparently having moved from the eastern coast waters of Asia, was central near 50° N., 175° E., on the 29th, accompanied by gales, one vessel reporting a wind force of 10. It advanced into Bering Sea and lay over western Alaska on the 31st.

Pressure for the island stations in the eastern North Pacific, and for a few stations on the American coast, are given in the following table:

Station	Average pressure	Departure from normal	Highest	Date	Lowest	Date
Dutch Harbor <sup>1</sup>	( <sup>2</sup> )					
St. Paul <sup>1</sup>	29.82	+0.06	30.34	19th	29.22	30th
Kodiak <sup>1</sup>	29.83	+0.08	30.36	20th	29.56	31st
Midway Island <sup>1</sup>	30.03	-0.06	30.24	31st	29.90	7th
Honolulu <sup>1</sup>	29.99	-0.02	30.09	20th	29.87	24th
Juneau <sup>3</sup>	30.01	-0.01	30.25	15th	29.68	29th
Tatoosh Island <sup>3</sup>	30.05	0.00	30.33	3d	29.79	22d
San Francisco <sup>3</sup>	29.98	+0.04	30.14	20th	29.81	16th
San Diego <sup>3</sup>	29.93	+0.04	30.05	3d	29.82	16th

<sup>1</sup> P. m. observations only.

<sup>2</sup> Data missing.

<sup>3</sup> 26 days.

<sup>4</sup> 30 days.

<sup>5</sup> A. m. and p. m. observations.

<sup>6</sup> Corrected to 24-hour mean.

The minimum pressure readings in the Gulf of Alaska and lower Bering Sea stations occurred coincidentally with the highest reading at Midway Island.

Low pressure prevailed in the Far East, and considerable cyclonic activity occurred, though our available vessel reports from these waters give only meager indications of the extent and violence of the storms. A typhoon coming in from the ocean on the 17th caused several deaths in southern Japan, and wrecked houses in Osaka and other cities. The American steamer *West Prospect*, while not far from Yokohama on the 18th,